

WHAT IS CLAIMED IS:

1. A method for liquid preparation of photographic reagent comprising at least a process of measuring the photographic reagent and a process of heat-melting the photographic reagent, the method comprising the steps of:
transferring, with a pump, the photographic reagent to be measured to a measuring tank via piping without being heated;
heating the photographic reagent to be melted after measuring; and
repeating the steps for every liquid preparation.
2. The method according to claim 1, further comprising the step of driving the pump to rotate backward so that air is blown into the piping from an transfer-directional end of the piping for backward washing of an interior of the piping.
3. The method according to claim 1, wherein the photographic reagent is a prepared liquid of a silver halide emulsion for use in a heat-developable photosensitive material.
4. An apparatus for liquid preparation of photographic reagent comprising at least a device for measuring the photographic reagent and a unit for heat-melting the photographic reagent, the apparatus comprising:
a container for storing the photographic reagent;
a measuring tank equipped with a heating device; and
a transfer pump rotatable both forward and backward which transfers the photographic reagent in the container to the measuring tank via piping.
5. The apparatus according to claim 4, further comprising a blower arranged at an end of the piping for blowing air into the piping.
6. The apparatus according to claim 4, wherein the transfer pump is capable of switching from a high-speed liquid flux to a low-speed liquid flux.
7. The apparatus according to claim 4, wherein an operation pressure of the transfer

pump is 1 kg/cm² to 6 kg/cm².

8. The apparatus according to claim 4, wherein the photographic reagent is a silver halide emulsion for use in a heat-developable photosensitive material.

9. A method for producing a silver halide emulsion in which in a preparation process of preparing silver halide grains by mixing and reacting a solution of a water soluble silver salt with a solution of a water soluble halide for production of a silver halide emulsion, a mixer having an opening for circulation is arranged in a reactor filled with a colloidal aqueous solution, and while the respective two solutions are separately added to the opening for circulation from the respective reacting solution feeding pipes to be diluted in the mixer by the colloidal solution filling thereof, silver halide grains are produced by rapidly mixing by a first stirring device both solutions to be allowed to react with each other, and a circulating flow of the colloidal solution is generated by a second stirring device which flow starts from the mixer to reach the reactor and goes back to the mixer through the opening for circulation; wherein the circulating flux of the circulating flow is made not smaller than 500L/min. at the opening for circulation under the preparation condition that silver halide grains are prepared by adding the solution of a water soluble silver salt at the rate of not smaller than 4 kg/min. as converted to the weight of silver.

10. The method according to claim 9, wherein the addition fluxes of the both solutions are made equal to or larger than 20 L/min.

11. The method according to claim 9, wherein the solution of a water soluble silver salt and the solution of a water soluble halide are further added according to potential of silver after the silver halide grains are prepared.

12. A method for producing a silver halide emulsion, wherein in a process of adding sensitizing dye for preparation of a silver halide emulsion, after completion of the process, the sensitizing dye is deactivated by light exposure of apparatus in the process.

13. The method according to claim 12, wherein the light exposure is made with a 100-W

incandescent lamp for equal to or longer than 30 min.

14. The method according to claim 9, wherein the silver halide emulsion is a silver halide emulsion for use in a heat-developable photosensitive material.

15. The method according to claim 12, wherein the silver halide emulsion is a silver halide emulsion for use in a heat-developable photosensitive material.

16. An apparatus for producing a silver halide emulsion, comprising:
a unit for adding sensitizing dye for preparing the silver halide emulsion;
a light exposure device arranged in the unit to light-expose an interior of the unit.

17. The apparatus according to claim 16, wherein the interior of the unit is formed as a mirror surface, and all over the interior is exposed to light owing to a fact that the light from the light exposure device is reflected on the mirror surface.